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Item 10 (c) of the provisional agenda*

NATURAL DISASTER REDUCTION: EFFECTS OF
DISASTERS ON MODERN SOCIETIES

Technical session

Addendum

Application of satellite remote sensing for natural
disaster reduction in developing countries

Summary of presentation by Mr. Niek Rengers,
International Astronautical Federation/
International Institute for Aerospace

Survey

1. The presentation describes the integrated application of remote sensing and geo information systems in the process of monitoring and hazard assessment of natural disasters.
2. After a short introduction on the methodology of hazard assessment, emphasis is given to the unique role that satellite remote sensing can play in this context. An evaluation is made of the applicability of different types of remote sensing imagery, considering their spatial, spectral and temporal resolution. Highlighted are the capabilities of the use of remote sensing data in geo information systems for data integration and analysis of hazard occurrence specifically for conditions in developing countries.

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